

ARIZONA FUTURE PROBLEM SOLVING INC.

2002 ~ 2003

Opening doors to student imagination since 1974, the Future Problem Solving Program offers new and exciting learning paths. Discovering rich and varied ways of thinking, students experience the excitement of creative thinking and the thrill of resolving difficult problems with unique solutions when they participate in FPSP.

*Future Problem Solving teaches students
how to think, not what to think.*

A commitment to the Future Problem Solving Program aids students in discovering and developing their creative problem solving skills.

The Future Problem Solving Program (FPSP):

- ☐ is student centered and action oriented.
- ☐ prepares students for constructing a positive future.
- ☐ applies across the academic curriculum and within different disciplines.
- ☐ involves teaching and learning of processes.
- ☐ provides opportunities for students to apply process tools and methods to real life problems.
- ☐ holds a commitment to continuous improvement and innovation.
- ☐ incorporates Arizona Education Standards.

The FPSP six-step creative problem-solving model serves as the foundation for building dynamic thinking processes.

1. *Identify challenges related to the topic or future scene.*
2. *Select an underlying problem.*
3. *Produce solution ideas to the underlying problem.*
4. *Generate and select criteria to evaluate solution ideas.*
5. *Evaluate solution ideas to determine a "best" solution.*
6. *Develop an action plan.*

How do schools participate?

Participation begins with the training of a school-approved coach who will manage the program. Coaches may be teachers, parents, or volunteers from the community. Coaches receive training by attending an AZFPS sponsored workshop. School systems may request on-site training for eight or more participants. Workshops are conducted by the Affiliate Directors or FPS trainers. A workshop fee is charged.

ARIZONA FUTURE PROBLEM SOLVING, INC.

Preparing Today's Students for Tomorrow

PROGRAM COMPONENTS

**Each component incorporates Arizona State Standards.
Evaluation includes feedback for continuous improvement.**

Future Problem Solving (FPS) Competitive

Team/Individual

Grades 4 -12

FPS students first learn the creative problem solving process through a practice problem. Next the teams complete an Affiliate Bowl qualifying problem. The top teams from registered schools in each division are invited to participate in the Affiliate Bowl in March.* The first place team in each division will represent Arizona at the International Conference at the University of Connecticut in June 2003.

Fees: \$90 per team, includes two evaluations.

*Teams who participate in Affiliate Bowl are assessed an additional fee.

Action-based Problem Solving (AbPS) Non-competitive

Primary Level, Grades K - 3

Upper Levels, Grades 3 - 8

AbPS is problem solving for the whole classroom. The classroom teacher chooses areas of concern from the current AbPS list and incorporates the issues into the classroom curriculum by using the AbPS model.

Fees: \$65 per team. Includes two evaluations, one each semester

Community Problem Solving (CmPS)

Team/Individual

Grades 4 -12

CmPS focuses on real community problems. A community problem may be identified within the school, local, state, national, or even worldwide community. After selecting a problem situation, teams of two or more students use the FPS process to reach a solution. They develop a plan to carry out the solution and take action! AZFPS provides guidance and evaluation. Winning teams in each division may qualify for the International Conference at the University of Connecticut, Storrs, CT.

Fees: \$65 per team. Includes guidance and evaluation.

Scenario Writing

Individual

Grades 4 - 12

Scenario Writing offers individual students an opportunity to exercise their creative writing skills. Using one of the five FPSP topics, students develop and polish their creative writing techniques while following a format. FPSP scenarios are limited to 1500 words and must be placed 20 years in the future.

Fees: \$65 per Scenario Entry. Includes two evaluations

Contact Affiliate Directors about the components

Jennine Jackson
4708 N. Calle Lampara
Tucson, AZ 85718
(H) 520.299.8865
(W) 520.696.5979
(FAX) 520.299.8865
jejackso@earthlink.net

Phyllis MacDonald
10700 N. La Reserve Dr. #18201
Oro Valley, AZ 85737
(H) 520.797.1471
(FAX) 520.752.0300
phylmac@prodigy.net

Lawson Donald
1631 E. Glencove
Mesa, AZ 85203
(H) 480.461.0813
(W) 480.833.4700
3donald@msn.com

ARIZONA FUTURE PROBLEM SOLVING, INC.

2002 ~ 2003 Calendar

Coach Training Workshops

9 a.m.- 3 p.m.
Saturday, September 7, 2002,
ASU Memorial Union

•Focus on program components

9 a.m. – 3 p.m.
Saturday, September 28. 2002
Amphitheater District Office. Tucson

•Focus on evaluation

Future Problem Solving Competition

Postmark Date

Practice Problem , October 26, 2002

Qualifying Problem , February 3, 2003

Affiliate Bowl

International Conference

Evaluation Site and Date

ASU, November 2, 2002

ASU, February, 8. 2003

ASU, March 29, 2003

University of Connecticut

June 5-8, 2003

Action-based Problem Solving

1st semester problem

before January 17, 2003

2nd semester problem

before May 1, 2003

Community Problem Solving

Project Registration

December 17. 2002

Project Summary

February 14, 2003

Final Project Submission

March 11, 2003

Scenario Writing

Postmark Date

Practice Scenario, October 28, 2002

Final Scenario, February 7, 2003

Winners to International Office

Returned to student

November 20, 2002

March 3, 2003

March 7, 2003

FPS TOPICS

	2002-2003	2003-2004
Practice Problems	Sports Medicine and/or E-Commerce	Smart Clothes and/or Rage/Bullying
Qualifying Problem	Nanotechnology	Artificial Intelligence
AZFPS Affiliate Bowl	DNA	Media Impact
International Conference	Worldwide Communication	Immigration

AbPS TOPICS

Choose 2, one for each semester

Water Pollution
The Elderly
Trash, Trash, Trash

Global Warming*
Drugs *
Stress on Students *

Endangered Animals

Pet Overpopulation *

**Upper levels only*

ARIZONA FUTURE PROBLEM SOLVING, INC.

“More than ever, an education that emphasizes general problem-solving skills will be important. In a changing world, education is the best preparation for being able to adapt.”

Bill Gates, *The Road Ahead*

ORDER SUPPORT MATERIALS

Future Problem Solving Program

PO Box 23720

Lexington, KY 40523-3720

1-800-256-1499

www.fpsp.org

FPSolve@aol.com

AVAILABLE NOW

2002-2003 RESOURCE MANUAL

COACH HANDBOOK

CmPS HANDBOOK

STUDENT GUIDE for COMPETITION

EVALUATION PRIMER

Arizona Future Problem Solving
4708 N. Calle Lampara
Tucson, AZ 85718